

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090101

Mode: Highway

Status: Submitted

US-15, US-401

From/Cross Street: South Carolina State Line

Specific Improvement Type: 1 - Widen Existing Roadway

To: South of SR 1105 (Turnpike Road)

Project Category: Regional Impact

Length: 3.88

TIP#: R-2508

Fully Funded in Draft STIP? No

Cost to NCDOT: \$32,354,000

Description:

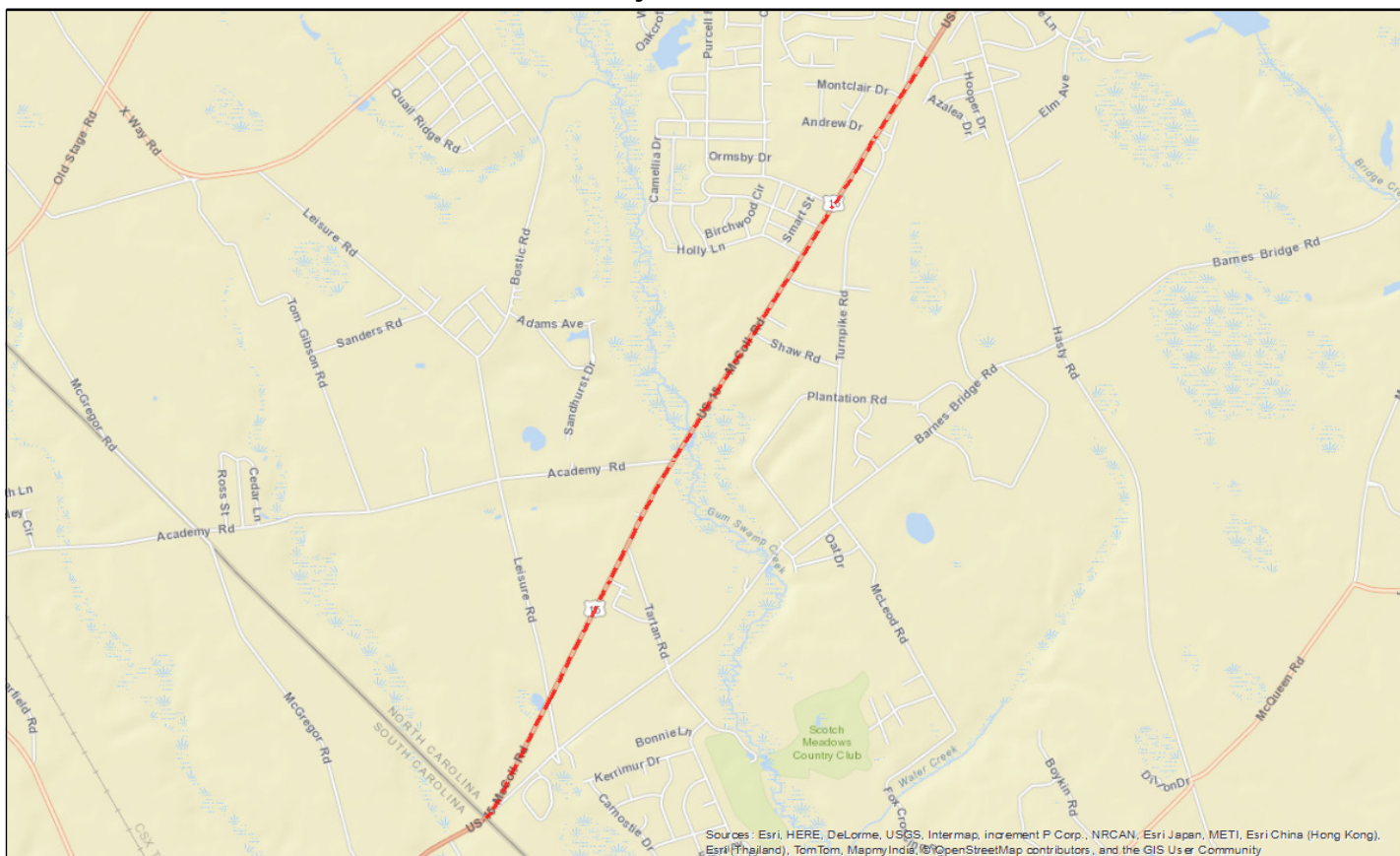
South Carolina State Line to South of SR 1105 (Turnpike Road). Widen to Multi- Lanes.

Division(s): Division 8

County(s): SCOTLAND

MPOS(s)/RPO(s): Lumber River RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 45.42

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (25%) 0.14	Percent: 15%	Percent: 15%
Accessibility / Connectivity (10%) 29.69	Points: 100	Points: 100
Congestion (V/C) (25%) 24.36		
Safety (10%) 63.27		
Totals: Weight: 70% Weighted Score: 15.42		

Division Needs Total Score: 36.23

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 24.36	Percent: 25%	Percent: 25%
Safety (10%) 63.27	Points: 0	Points: 100
[Travel Time] Benefit/Cost (20%) 0.14		
Totals: Weight: 50% Weighted Score: 11.23		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	3.88
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	9229.33
Capacity:	26790.71
Volume/Capacity Ratio:	0.34
% Autos:	93%
% Trucks:	7%
Truck Volume:	669.9
Crash Density:	64.26
Crash Severity:	82.73
Critical Crash Rate:	42.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	70
Actual Congested Speed:	49
Travel Time Index:	1.1

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	3.88
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	197484.08
Travel Time Savings for 30 Years (Autos):	183150.03
Travel Time Savings for 30 Years (Trucks):	14334.05
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Lumber River RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$23,028,000	TIP Unit
Right-of-Way Cost:	\$8,327,000	Cost Estimation Tool
Utilities Cost:	\$999,000	Cost Estimation Tool
Total Project Cost:	\$32,354,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$32,354,000	